

ILLINOIS MARINE TOWING

8. Sample Checklist from Customer Audits



MARATHON PETROLEUM CO., LP

Inland Towing Vessel Inspection Report

(Rev. 10/10)

Date: (mm/dd/yy) 06/26/2012

Name of Vessel Mary C	Official Number 1166136	Date Built: 1 Jan 2005 Gross Tonnage: 143 LOA: 81.5 Beam: 27.1	Engine Horsepower: 1200 Main: Cum. Type: KTA 19 Aux: Cum. Type: 65kw
Master (Name) Robert Derdas Jr.	Operator (Name) Illinois Marine Towing, Inc.	Inspector (Name) David Naramore	Location Lemont, IL

A. WHEELHOUSE	YES	NO	COMMENTS
1. Certificate of Documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cert. of Doc. Exp. Date: 31 May 2013
2. Radar (one required 33CFR164.72) (two recommended)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mfg: One Furuno
3. Magnetic/Electronic Compass. (required on U.S. navigable water ways except Western Rivers) 33CFR164.72	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Electronic.
3a. GPS or Swing Meter, (meets requirement for Western Rivers) 33CFR164.72	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GPS.
4. VHF Radios. (2 Required, with one having battery back up) 33CFR26.03	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2 VHF was on board one with battery back-up.
5. VHF Portable Radios Intrinsically Safe?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mfg: Standard Horizon
6. Radio Log / Valid Station License	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Licenses Exp. Date: 26 Jan 2021
7. One Fathometer	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Two Search Lights 33CFR164.72	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Both were tested.
9. Efficient Whistle and Fog Bell 33CFR86.15 & 33CFR86.21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Horn was tested.
10. General Alarm Activated From The Wheelhouse? 46CFR27.201	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Testing Frequency: Daily.
11. Current Light List 33CFR 164.72(b)(3)(i)(a)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2011 was on board. Recommendation
12. Current Copy of Navigation Rules 33CFR88.05	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Current Charts For the Area Transited 33CFR164.72(b)(1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Paper copies were on board.
14. Local Notice to Mariners 33CFR164.72 (b)(3)(i)(b)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Week 25 of 2012 received electronically.
15. Waste Management Records. (Review) (see waste management log, section G)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16. Pilot House Daily Log Kept up to Date? (Review)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17. Onboard Captain / Pilot (Review Licenses – Pilots, Radar, Radio)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Capt. Issue No. Expires 12 May 2016 2 nd issue Pilot Issue No. N/A
18. Onboard Tankerman (Review License)	<input type="checkbox"/>	<input type="checkbox"/>	N/A No Tankerman on board.
19. List of Designated PIC's (Either by Name or Position) Onboard? 33CFR155.700 & 33CFR155.715	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Kept in manual.
20. Is the pilot house free of distracters (such as TVs, boom boxes, etc.)? If such equipment is company owned/sanctioned then a written policy should exist.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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21. Operations Manuals Onboard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Manual Number: N/A Not numbered. Revision Date: 2012
22. VGP Plan / Records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
23. Change of Watch Procedure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Use Watch Change Check List.
24. Lock-out/Tag-out, Confined Space Entry, Skiff/Yawl Use/Operation and Locking Procedures Onboard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
25. Equipment Monitoring Panel/Gauges Working? (engine oil press./temp, air pres., bilge alarms, steering pressure, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
26. Vessel equipped with an auto fog signal timer? Navigation Rule 35	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
27. Vessel Pre-voyage Check List 33CFR164.80	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Presail Check List.
28. Horsepower Ratio Requirements 25hp per 1,000 bbls in tow. Min. hp = 750. Must Have 2 Main Engines and 2 Gen. Sets	<input type="checkbox"/>	<input checked="" type="checkbox"/>	States: Will make decision due to conditions. Recommendation in Management Review.
29. Is JSA being carried out prior starting a job?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Recommendation in Management Review
30. Is JSA being carried out as per Marathon's policy?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Recommendation in Management Review
31. Is there a procedure on board for familiarization of new crew members?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B. CREW ENDURANCE MANAGEMENT AND SAFETY SYSTEMS			
1. Is the noise level in the accommodation acceptable?	<input type="checkbox"/>	<input type="checkbox"/>	N/A Fleet boat works 12 hour shift.
2. Did the crew have proper rest prior starting work?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Is light control acceptable in the accommodation?	<input type="checkbox"/>	<input type="checkbox"/>	N/A Fleet boat works 12 hour shift.
4. Is there a procedure in place to control the dehydration/rest during summer?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C. VESSEL SECURITY PLAN			
1. Copy of Vessel Security Plan (VSP) Onboard? 33CFR104.120(a)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. VSP Approval/Compliance Letter Onboard? 33CFR104.120(a)(1)(2)(3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	VS-331034 was issued 31 Oct 2007.
3. VSP Drill Records Current? 33CFR104.230(a)(b)(2)(4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Quarterly drills were up to date.
4. Declaration of Security (DoS) Forms Onboard? 33CFR101.505	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Last ten DoS's completed onboard? 33CFR104.235	<input type="checkbox"/>	<input type="checkbox"/>	N/A
D. FIRE DETECTION SYSTEM (Engine Room/Accommodation)			
1. Engine room fire alarm panel in compliance with all parts of 46CFR27.203	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Is Letter of Certification Onboard? 46CFR27.203(g)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Could not find record. Recommendation
3. Smoke Detectors Battery Operated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tested while on board.
4. Smoke Detectors Fixed Hard Wired System?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Engine room and galley.
5. Detectors Located in Crew Quarters and Galley?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Detectors Tested Monthly/Annually?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Last Test Date: Daily Recommendation in Management Review.
E. SAFETY DOCUMENTATION / RECORD REVIEW			

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1. Vessel Equipped With a Fixed System? If Yes, What Type? (CO ₂ , Halon, Flooding System or type B-V semi portable) 46CFR27.303	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Last Test Date: January 2012 Type of System? B-V
2. Portable Extinguishers? 46CFR25.30-10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Last Test Date: January 2012 Properly Mounted? Yes
3. Fire Pump in Good Condition? 46CFR27.301	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Last Test Date: Tested in present of inspector.
4. Remote Start Station For Fire Pump Installed? 46CFR27.301	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number of Stations? One
5. Fire Hoses in Good Condition? 46CFR27.301	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number of Stations? One
6. Nozzle Installed On Fire Hoses? 46CFR27.301	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Skiff Equipped with a Fire Extinguisher? (Good Marine Practice)	<input type="checkbox"/>	<input type="checkbox"/>	N/A Boat not equipped with a skiff.
L. ENGINE ROOM / MACHINERY SPACES			
1. Vessel Equipped With a Permanent Slop Tank For Waste Oil and Bilge Water?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pumped straight off at yard.
2. Stern Tube Water Properly Segregated From Engine Room Bilge and Free of Oily Residue?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Equipment Guards/Hand Rails/Deck Plates in Place and Sufficient?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Recommendation
4. Electrical Cable in Good Condition and Properly Secured? (All External Connections Must be Sound)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Adequate Lighting in All Machinery Spaces and Working Properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Exhaust/Ventilation Blowers Operational?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Vessel Equipped With external Shut Down's For the Exhaust/ Ventilation Blowers? (Required only if the vessel is equipped with a engine room fire suppression system) 46CFR27.301	<input type="checkbox"/>	<input type="checkbox"/>	N/A
8. Engine Room Monitoring (panel/gauges, water temp, oil/fuel pressure, RPM, bilge alarm, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Is the Vessel Compressed Air System Adequately Monitored? (Gauges, Low Pressure Alarm)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10. Current Main Engine Hours Since Overhaul?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Port: 45472 Stbd: 45478
11. Current Generator Engine Hours Since Overhaul?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Port: 6890 Stbd: 6715
12. Decks/Steps/Hand Rails free of Oil and Grease and Tools Properly Stored?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Are Watertight Doors and Closures in Good Order?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14. Are Piping Systems Labeled or Color coded?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Labeled.
15. Are Piping Systems Free of Leaks and Excessive Wastage?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
M. ELECTRICAL SYSTEM			
1. Approved Rubber Mat at Main Switch Panel?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Are Volt meters and Cycle Meters Working Properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Are Electrical Controls, Panels and Boxes Properly Labeled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
N. STEERING SYSTEM			
1. Two Pumps, Two Motors with a) Two Independent Reservoirs b) Common Reservoir	<input type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	
2. Hydraulic Steering System Low Fluid Level or Low Pressure Alarm?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Recommendation in Management Review.

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3. Is the Vessel Equipped With 2 Steering and 4 Flanking Rudders?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Are Hydraulic Rams/Jockey Bars/Pins/Hoses and Greasing System in Good Condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
O. HULL INSPECTION			
1. Fendering/Rub Rails in Good Condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Deck Winches/Wires in Good Condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Decks Free of Tripping Hazards, Rags/Oily Pads, Oil Stains, etc.?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Spare Lines/Rigging Properly Stored?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Are Exterior Doors and Hatches in Good Order?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P. FUELING STATION CONTAINMENT/FUEL TRANSFER PROCEDURES			
1. Fixed Containment Around Filling Connections and Vents? (required on vessels built after 6/30/74 and over 300gt.) 33CFR155.320	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fixed containment.
2. Vessels Not Covered in (1) Must Use Portable Containment of at least Five Gallon Capacity.	<input type="checkbox"/>	<input type="checkbox"/>	N/A
3. Fuel Transfer Procedures Current and Meet USCG Regulations? 33CFR155.720 & 33CFR155.750(A) 1-10 (>300 GT)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. DOI's Properly Filled Out and Kept For 30 Days as required by 33CFR155.710(e)(1)(2) & 33CFR156.150 (review last DOI)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Emergency Fuel Shut Off Valves Located Outside Of Engine Room & Marked with Clearly Legible Letters? 46CFR27.340(f)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Q. GALLEY			
1. House Keeping Satisfactory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Fire Suppression System Over the Galley Stove?	<input type="checkbox"/>	<input type="checkbox"/>	N/A No stove.
3. Marpol Garbage Placard Posted in Galley? 33CFR515.59	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Portable Fire Extinguisher Located in Galley and Properly Mounted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Last Test Date: January 2011
R. OIL SPILL EQUIPMENT			
1. Sorbent/Containment boom and pads onboard in sufficient quantities for use on small spills?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sorbent pads only.
2. Spare supplies onboard to restock boat/barge deck spill kits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
S. MARINE SANITATION DEVICE			
1. What Type? Manufacture's Label Must Be On Device Designating it as Type I, II, or III 33CFR159.55	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Incinolet model WB.
2. Is The unit Being Operated Properly? 33CFR159.57, 33CFR159.59, 33CFR159.65	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Overboard Bypass Valve Closed? (Preferably Locked) 33CFR159.53(c)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
T. MISCELLANEOUS/GENERAL			
1. Oil Transfer Hoses Onboard Vessel Tested? 33CFR154.500 & 33CFR156.170(b)(c)(f)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Recommendation

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2. Flammables Properly Stored?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Placarded? No flammable storage. Recommendation / The bulk gasoline storage tank on the second deck was not within containment. Recommendation / The bulk gasoline tank on the second deck was within 8' of the engine exhaust. Recommendation
3. Are MSDS in place, where the chemicals are stowed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Kept in galley.
4. Overall Vessel Housekeeping Satisfactory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

The following observations were noted during vessel inspection.

Wheelhouse

1. There was no current Light List available. The last was 2011.

Fire Detection System

2. There was no record of a PE Certification letter.

Engine Room

3. There was no guards/insulation on both main engine and generator exhausts on the second deck. Due to the location they were easily accessible by hand.

Miscellaneous

4. As a good safe marine practice the bulk gasoline storage tank on the second deck should be within containment.
5. As a good safe marine practice the bulk gasoline storage tank on the second deck should be outside a 10' radius of the engine exhaust.
6. There was no Designated Flammable Storage.
7. There was no record of testing the fuel transfer hose.

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